



**ST JOSEPH'S INSTITUTION
END-OF-YEAR EXAMINATION 2019
YEAR 1**

CANDIDATE
NAME

CLASS

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INDEX
NUMBER

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GEOGRAPHY

3 October 2019

Additional Materials : Topographic Map, Writing Paper

**1 hour 45 minutes
(0800 – 0945)**

READ THESE INSTRUCTIONS FIRST

Write your class, index number and name on all the work you hand in.

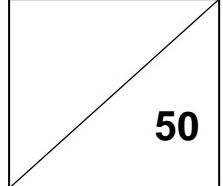
Write in dark blue or black pen on both sides of the paper.

You may use a soft pencil for any diagrams.

Do not use staples, paper clips, glue or correction fluid.

Answer **ALL** questions.

Start **ALL Sections** on a new sheet of **Writing Paper**.



50

The number of marks is given in brackets [] at the heading of each section.

This document consists of **10** printed pages including this cover page.

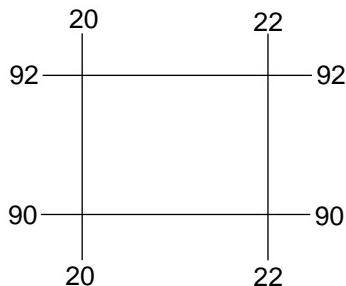
[Turn Over]

SECTION A: (10 marks)
Topographic Map Reading

Answer **ALL** questions.

Write your answers on the **Writing Paper** provided.

1. Study the section of map extract of Bindura, Zimbabwe.
 - (a) Identify a physical feature found in grid square 1789. [1]
 - (b) State TWO human features in the section of the map shown below. [2]



- (c) Locate the grid square with Duiker Flat, northwest of Bindura Town. [1]
- (d) Give the 6-figure grid reference of the trigonometrical station of Danga, southwest of Bindura Town. [1]
- (e) You just arrived at Bindura Town's train station (218858) to take part in a friendly soccer match at the Sports Field (185829) in a nearby town.
 - (i) State the direction of the Sports Field (185829) from the train station (218858). [1]
 - (ii) What is the straight-line distance of the Sports Field from the train station? [1]
- (f) State TWO jobs in which people living in Bindura Town are employed as. Provide map evidence to support your answer. [2]
- (g) Suggest ONE reason why the southeastern part of the map has lots of cultivation. [1]

SECTION B: (32 marks)

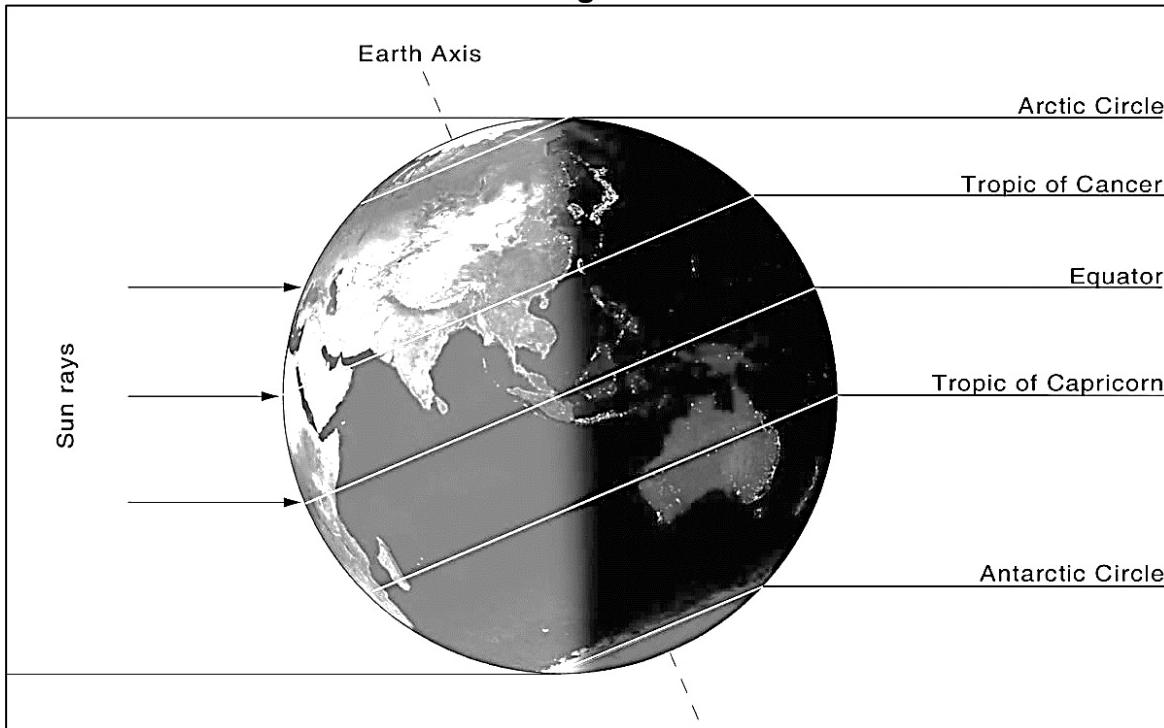
Data-response Questions (4 x 8 marks)

Answer **ALL** questions.

Write your answers on a new sheet of **Writing Paper**.

2. Figure 1 shows the Earth's position in relation to the Sun.

Fig. 1

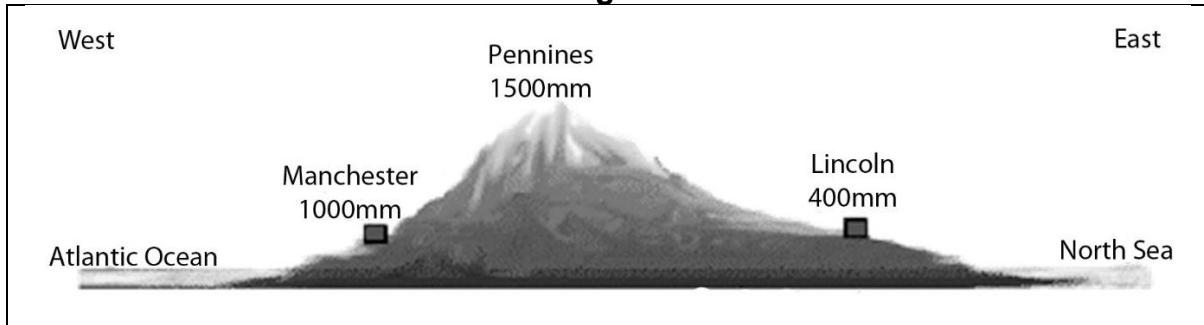


Source: <http://www.vox.com>

- (a) Study **Fig. 1** and identify the big idea shown. [1]
- (b) Explain the significance of the Tropic of Cancer in the formation of the summer season. [3]
- (c) (i) Study **Fig. 1** and state the length of daylight a person will be experiencing at this time of the year at
A. Equator
B. North Pole [2]
- (ii) Use **Fig. 1** and explain season would Australia be experiencing and why. [2]

- 3.(a) Figure 2 shows three locations – Manchester, Pennines and Lincoln, along a range of mountains and hills in England.

Fig. 2

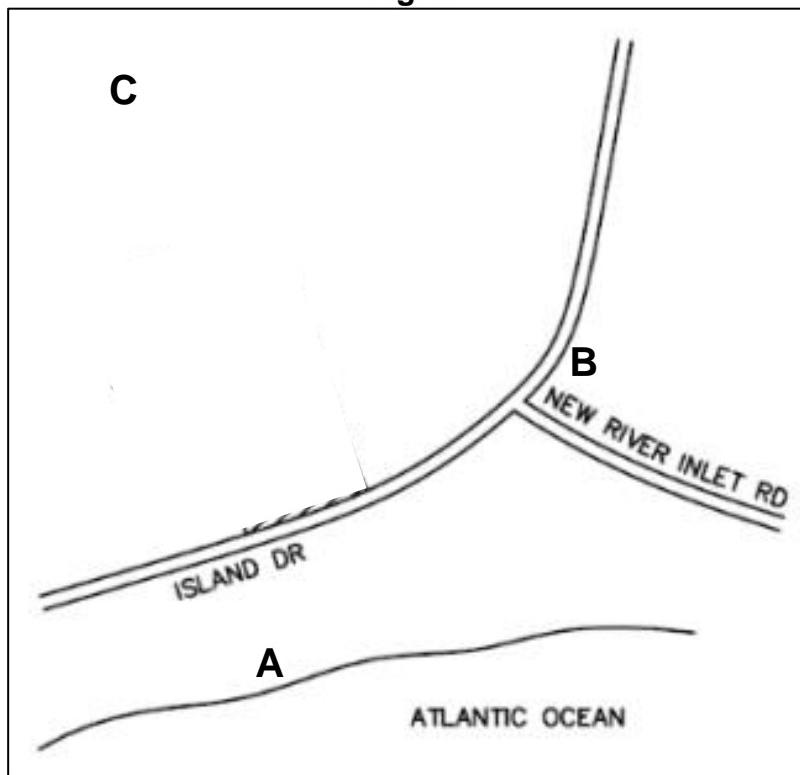


Source: <http://www.coolgeography.co.uk/GCSE/Year11/Weather.Climate/>

Use **Fig. 2** to explain the differences in the amount of precipitation between Manchester, Pennines and Lincoln. [4]

- (b) Figure 3 shows an area near Atlantic Ocean.

Fig. 3

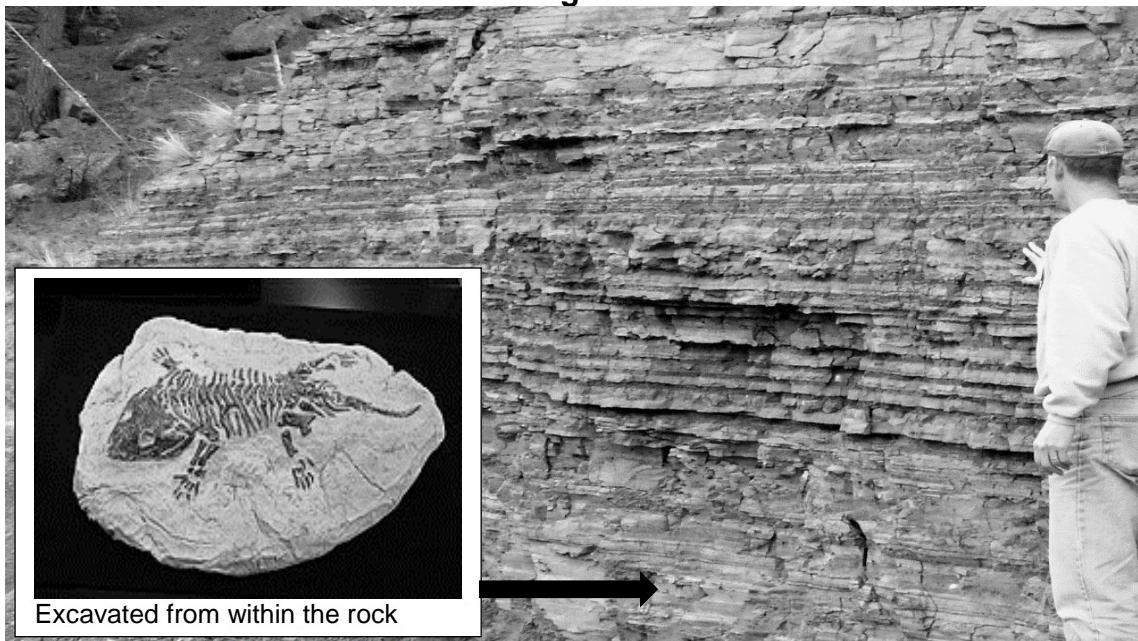


Source: <https://www.coastalreview.org/wp-content/uploads/2018/03/Barnes-property-NTB.png>

- (i) Study **Fig. 3** and identify the most appropriate site to locate wind turbines. [1]
- (ii) Use **Fig. 3** to explain why you have selected the site. [3]

4.(a) Figure 4 shows a type of rock.

Fig. 4



Excavated from within the rock

Source: <http://www.thenaturalhistorian.com>

(i) Study **Fig. 4** and identify the type of rock. [1]

(ii) Use **Fig. 4** to explain with evidence, your answer in (a)(i). [2]

- (b) Figure 5 shows a rock that has been broken down.

Fig. 5

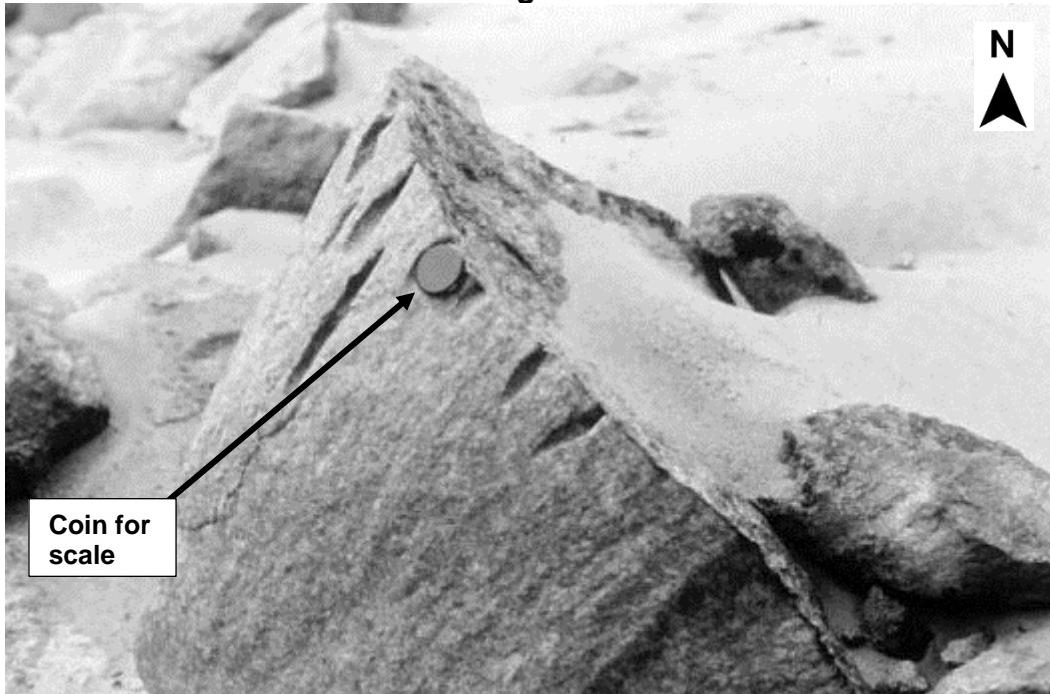


Source: www.sciencephoto.com

- (i) Study **Fig. 5** and identify the weathering process that has broken down the rock into several fragments. [1]
- (ii) Explain how this weathering process breaks down the rock into several fragments. [3]
- (c) Explain ONE difference between weathering and erosion. [1]

5.(a) Figure 6 shows a landform found in the Arid Tropics.

Fig. 6



Source: <http://people.trentu.ca/>

- (i) Study **Fig. 6** and state the direction of the dominant wind. [1]
- (ii) How is this landform formed? [3]

- (b) Figure 7A shows the roots of a Mesquite tree in the Arid Tropics and Figure 7B shows the roots of a tropical rainforest tree.

Fig. 7A



Fig. 7B



Source: <http://www.tripadvisor.co.za> (Figure 7A) & <http://www.happybotanist.com> (Figure 7B)

- (i) Study **Fig. 7A** and **Fig. 7B** and describe the main differences between the two root systems. [2]
- (ii) Why are the two root systems different? [2]

SECTION C: (8 marks)

Open-response Question (8 marks)

Answer the question on a new sheet of **Writing Paper**.

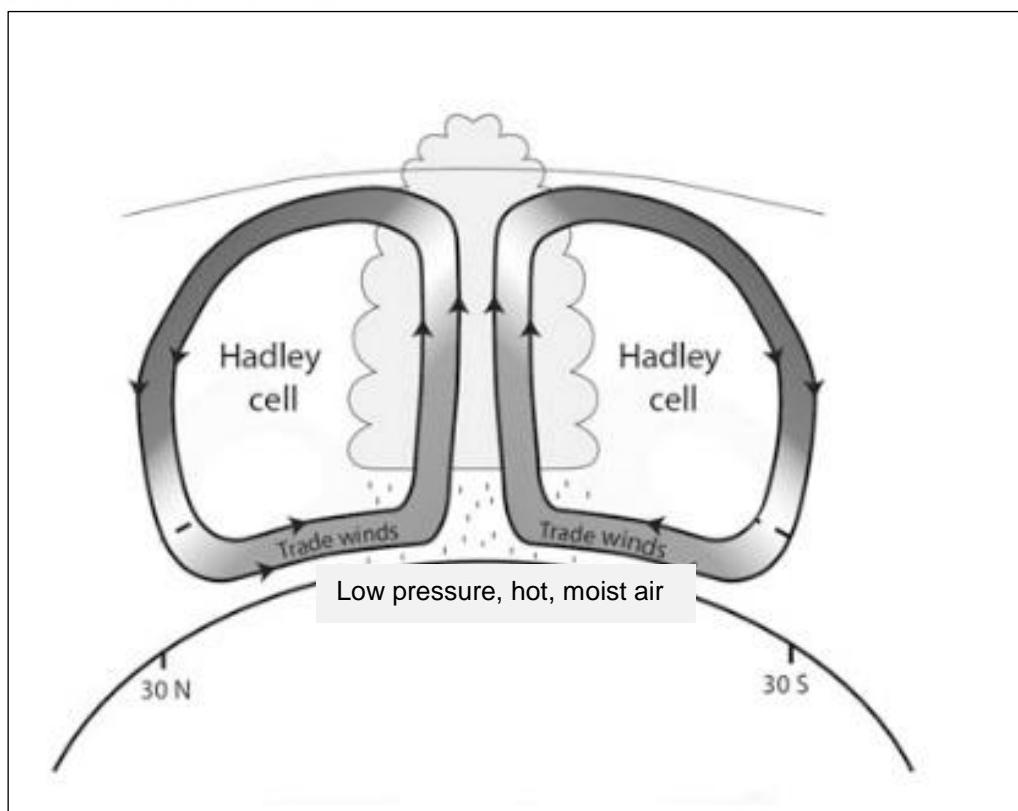
6. With reference to **Fig. 8A** and **Fig. 8B**, explain how the two environments, labelled the Amazon Rainforest and the Sahara Desert on the world map (**Fig. 8A**), are formed. [8]

Fig. 8A



Fig. 8B

Source: <http://www.researchgate.net>



Level of Response Rubrics for Open-Response Question

	AO1 Knowledge/ Understanding	AO2 Application/Analysis	AO3 Expression
Level 1	No or little relevant knowledge and/or understanding , which is largely superficial or of marginal relevance; inappropriate case studies	Little attempt at application/analysis	Poor terminology, difficult to understand
Level 2	Relevant knowledge and understanding but with some omissions, case studies and examples well chosen	Some attempt at application; competent answer although not well-developed and tends to be descriptive	Acceptable terminology Some forms of organisation Can follow argument
Level 3	Accurate, specific and well detailed knowledge and good understanding; examples and case studies are well chosen and developed	Detailed application; well-developed answer that cover most or all aspects of question	Geographical terminology used appropriately Organised responses